

♂ Euphorbia Corolla 2-labiate labio
postico interiori integro & breviter 2-fido
bractea in quoque loculo & capsula rospici
basin in stipitem contracta

* Stamina 4

Lepidogathis Iphelandra Gysnomeria

** Stamina 2 antheris 1-locularibus

Monothecium Ruttya Prachystephanus Glockiana
Heteracanthus Haursteinia

*** Stamina 2 antherarum loculo altero
altero affixo

Doctotylus Swernia Justicia Schwabea
Nephacanthus (Cebotrium?) Ruizia Groglossa
Dianthera Pteleopora

**** Stamina 2 antheris ^{loculis} aequalibus
parallelis

Himantochilus Graptophyllum Cypselanthera
Heteracanthus Fittonia

♂ Dichiteae Bracteae 2 floris 1.3 valvatis
involucratas

Dichites Tetramerium Peritrophe
Chitay and probably Periblema.

I have fuller characters on these
are a few monotypic genera not yet
worked out but I send you the above

Sept 20 1875 into Bracteae
part in Justicia etc etc. Asperosperum

25. WILTON PLACE.

S.W.

Oct 17/75

My dear Gray

I have just got through
Acauthaceae having a great pile
of undetermined specimens to be
examined including some new
African genera

I follow in most respects
Cadenot's arrangement his
genera are generally well defined
and consolidated but his characters
are worthless for they do not agree
with all the genera he puts under
his groups Myrtines are

1. Thunbergia (Thunbergia & Alaudocnemis)
& Nelsonia. Corollae labium posticum
exteriori. Stamina 10 sublobata ventrali puncto
basin abique retinaculis affixa. Flores in
genia alteri & sparsi. (Perophularis affinis)
Cytaria Nelsonia Ebermaira & Ophiordizipheum

3 Quellioneae Corollae lobis contortis unisporam
obtusatis. Semina plano-compressa fusca
in retinacula accretis v. (in Cardanthera) post
antheram breviter conici v. evanidis

4 Hygrophilae Corolla 2-labellata. Cardanthera (Abn.
norma nec non An) Hygrophila Nomapheta ad
perhaps Diastantaria

2. Euroelliae Corollae lobis 5 planis. Filamenta
saepe per paria lateralia connata. Capsula
vix compressa

Calophanes Quella Echinacanthus Chona-
canthus Distapocalyx

3 Petalidiae. Corolla et Stamina Euroellaeae

Capsula recto parallela plano compressa
Petalidium Maylopsi Pedalacanthus
Lanthea Blechnum

4 Trichantherae (25 Euroelliaeae impoem
calyx et inflorescentia distincta)

Sclerocalyx Trichanthera Bravacia
Pancheia

5 Strobilantherae ^{strobila} Corolla Euroellaeae
filamenta omnia basi partim approximata
sepiusque haec transversa v. membrana
brevis connata

See 6.7 Apocinae v. Antherae

4 Acanthaeae. Corolla 2-labellata
Polepharis, Acanthoxia, Acanthus, Sclerophyton

5 Ferticariae Corollae lobis varie imbricati
non contortis v. adpressis

1 Barleriae Corollae lobis 5 planis patentibus
varie imbricati antice saepe interiore Stamina

2 Barleria, Croton, Neuraeanthus Stylanthus
Barleria Sophoranthus Crossandra

2 Cryptariae Corollae lobis 5 planis patentibus
2 partibus interioribus antice exsertis Stamina 4
Cryptaria Chamaeanthum Hexandrium
Chamaeanthus

3 Erantemum Corollae lobis 5 planis
patentibus 2 partibus interioribus antice exsertis
Stamina 2

Erantemum Codonacanthus Cyclacanthus
Chamaeanthus

4 Andrographideae Corolla 2-labellata
lobis posterioribus v. breviter 2. pedo anterioribus
ovula in quoque loculo 3-∞ Capsula ^{compressa} a basi
semiferia (ovula in ceteris Ferticariis in quoque
loculo 2)

5 Semina non compressa - Andrographideae

Andrographis
Semina normalia. Hymenostachyum
Chamaeanthus Diostacanthus

for any observations. I was much
bothered with the American Justicia
genera which run very much into one
another and are not very natural
though not quite so bad as some of
Nees' he has often the same species
under different names in two genera
(His *Chadenziea* from South America
is a common *Strobilanthes* from Ceylon
the label to the specimen he described from
and on which he wrote the name is
marked Ceylon [sic] *Chadenziea*) and many
other similar facts could be picked out.

X *Cyrtanthera* must include *Sarcoglyphis*
all the original *Chouaveia* the typical
Jacobinia *Zeprva* & many others.

The three lines of hairs attributed
to *Sarcoglyphis* are of the value
lines of hairs ^{or papillae} longitudinal or transverse
about the insertion of the hair sometimes
as reflexed protuberances (concave outside)
occur in a great many species of various
genera varying much in shape and
extent and not present in all Nees'

Sarcoglyphis the propephy membranes
or costae inside the upper lip are more or less
prominent in several *Cyrtanthera* but not

in all and I can make nothing of the
character until every species shall have
been carefully examined

The species with the lower anther self
calcarate go in my opinion either
into *Justicia* or into *Beloperone*
the two distinguished chiefly by the
form of the corolla

Dianthera has the cells usually
short not calcarate and the upper
one at least usually oblique the connective
generally broad. In *Cyrtanthera* the
cells are longer and more parallel and
equal

I should put the small flowered
Brazilian *Chaueria* into *Justicia*
^{*graniflora*}

the Texas *Dryon* into *Abura* *canthia*
the *provincia californica* certainly
into *Beloperone*

I have not yet placed *Lichoxyston*
not having yet examined the specimen
It must surely include *Justicia* *lobiflora*
from the Cape and probably goes with
Swanthera

I believe that most if not all
the other N. American *Acrostachya*
will remain undisturbed - *Diptera*
caulibus being of course included in
Justicia - indeed the N. American
species must be considered as the
typical *Justicia* of Linnaeus.

Polanese are all in type and
Prophyloraceae begun upon. Have
you anything to say about *Gymnanthera*
I leave it in *Belagium* but it is not
comfortable there

Yours very sincerely
George Donkham